



PN - EP0065207 A 19821124

PD - 1982-11-24

PR - DE19813118256 19810508

OPD - 1981-05-08

TI - Use of pigmented coating compounds with reduced emission capability in the spectral range of the heat radiation for camouflage purposes.

AB - 1. Use of pigmented coating compounds with reduced emission capability in the spectral range of heat radiation and with differing colour properties, which contain 1 to 70% by weight of aluminium metal pigment, for infrared camouflage purposes.

N - HEUEL MEINOLF DIPL-PHYSKURTH HERBERT; FALLER FRITZ; GANSON GERTRAUD; SELDERS MATHIAS DR; TSCHULENA GUIDO DR

PA - HERBERTS & CO GMBH (DE)

EC - C09D5/30 ; C09D5/38 ; B05D5/00+B ; B05D5/06+B

IC - C09D5/38 ; B05D5/00

CT - US4289677 A [XP]; US4011190 A [X]; AT357248B B [X]

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TI - Pigmented paint with low thermal radiation emission - contg. metal pigment with high electroconductivity, pref. in flake, rod-like or spherical form

PR - DE19813118256 19810508

PN - EP0065207 A 19821124 DW198248 Ger 012pp

- DE3118256 A 19821202 DW198249 000pp

- EP0065207 B 19850807 DW198532 Ger 000pp

X:1

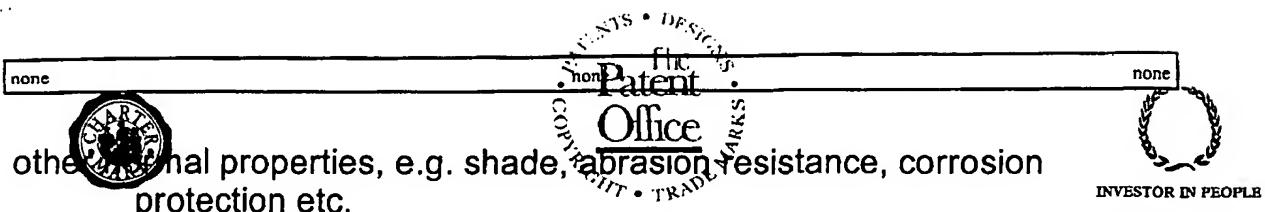
PA - (BATT ) BATTELLE-INST EV

- (HERK ) HERBERTS GMBH

IC - B05D5/00 ;C09D5/38

IN - FALLER F; GANSON G; HEUEL M; KURTH H; SELDERS M; TSCHULENA G

AB - EP--65207 Pigmented paint with low emission power in the spectral region of thermal radiation and in different colour properties contains 1-70 (3-30) wt.% metal pigment (I) with high electroconductivity. The paint is useful for solar collectors, for reducing energy losses from hot pipes, for reflecting heat from the walls behind heaters, for making, e.g. in IR test equipment, and as military IR camouflage paint. It combines low IR emission with the



other normal properties, e.g. shade, abrasion resistance, corrosion protection etc.

- Pref. (I) is in the form of rodlets, spheres or esp. flakes and consists of Zn, gold bronze, Sn or esp. Al. Its dimensions are 0.1-100 microns, with a large dia./thickness ratio flake and a large dia./length ratio for rodlets. Flakes with a dia. of 5-20 (10) microns are used for grey shades and with a dia. of 10-80 (40-50) microns for light shades, their thickness being 0.1-10 (1) microns.

EPAB - EP--65207 Pigmented paint with low emission power in the spectral region of thermal radiation and in different colour properties contains 1-70 (3-30) wt.% metal pigment (I) with high electroconductivity. The paint is useful for solar collectors, for reducing energy losses from hot pipes, for reflecting heat from the walls behind heaters, for making, e.g. in IR test equipment, and as military IR camouflage paint. It combines low IR emission with the other normal properties, e.g. shade, abrasion resistance, corrosion protection etc.

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OPD - 1981-05-08

CT - AT357248;US4011190;US4289677

DS - AT BE CH FR GB IT LI NL SE

AN - 1982-02581J [48]

none

none

none